

Patent Claims

1. A method for backward-signaling of a transmission service which is to be used for a call which is to be set up from a first telecommunication network, in which

- a mobile terminal (4) in the service area of a destination mobile switching center (2, Visited MSC) in a digital mobile radio network is called from the first telecommunication network via an access mobile switching center (1, Gateway MSC), and
- information fully describing the transmission service which is to be used is negotiated between the mobile terminal (4) and the destination mobile switching center (2, Visited MSC) in the digital mobile radio network and is stored in the destination mobile switching center (2, Visited MSC), the information which fully describes the transmission service which is to be used comprising at least one PLMN-BC information element,

characterized in that

- the destination mobile switching center (2, Visited MSC) converts the PLMN-BC information element from the information fully describing the transmission service which is to be used into an ISUP-compliant ISDN-BC information element, and
- the information fully describing the transmission service which is to be used is transported, using at least one ISUP message, with the ISUP-compliant ISDN-BC information element at least to the access mobile switching center (1, Gateway MSC), so as to effect the backward signaling.

2. The method as claimed in claim 1,
characterized
in that the information fully describing the transmission
service which is to be used is made available in an optional
"Access Transport" parameter in the at least one ISUP message.

3. The method as claimed in claim 1 or 2,
characterized
in that the ISUP message used is an "Address Complete Message
(ACM)", an "Answer Message (ANM)", a "Connect Message (CON)" or
a "Call Progress Message (CPG)".

4. The method as claimed in one of the preceding claims,
characterized
in that the first telecommunication network used is an ISDN
network, a PSTN network or a mobile radio network (PLMN).

5. The method as claimed in one of the preceding claims,
characterized
in that the information fully describing the transmission
service which is to be used is evaluated in the access mobile
switching center (1, Gateway MSC) in order to be able to
execute transmission-service-specific functions contained
therein.

6. The method as claimed in one of the preceding claims,
characterized
in that the information fully describing the transmission
service which is to be used is additionally transmitted to
other network nodes in the digital mobile radio network or in

the first telecommunication network which are involved in the call which is to be set up.

7. The method as claimed in one of the preceding claims, characterized
in that the information fully describing the transmission service which is to be used comprises a Low Layer Compatibility information element (LLC) or a High Layer Compatibility information element (HLC).

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